DEPARTMENT OF HEALTH & HUMAN SERVICES

Public Health Service

Food and Drug Administration
9200 Corporate Boulevard
Rockville MD 20850

FEB 1 4 2001

Mr. Michael Turanchik
Director, Research and Development
Medtox Diagnostics, Inc.
1238 Anthony Road
Burlington, North Carolina 27215

Re: K010138
Trade Name: Profiler® -II ER
Regulatory Class: II
Product Code: LDJ, DIO, DJG, DKZ, LCM, LFG, DIS, DJR, JXM
Dated: January 16, 2001
Received: January 17, 2001

Dear Mr. Turanchik:

We have reviewed your Section 510(k) notification of intent to market the device referenced above and we have determined the device is substantially equivalent (for the indications for use stated in the enclosure) to legally marketed predicate devices marketed in interstate commerce prior to May 28, 1976, the enactment date of the Medical Device Amendments, or to devices that have been reclassified in accordance with the provisions of the Federal Food, Drug, and Cosmetic Act (Act). You may, therefore, market the device, subject to the general controls provisions of the Act. The general controls provisions of the Act include requirements for annual registration, listing of devices, good manufacturing practice, labeling, and prohibitions against misbranding and adulteration.

If your device is classified (see above) into either class II (Special Controls) or class III (Premarket Approval), it may be subject to such additional controls. Existing major regulations affecting your device can be found in the Code of Federal Regulations, Title 21, Parts 800 to 895. A substantially equivalent determination assumes compliance with the Current Good Manufacturing Practice requirements, as set forth in the Quality System Regulation (QS) for Medical Devices: General regulation (21 CFR Part 820) and that, through periodic QS inspections, the Food and Drug Administration (FDA) will verify such assumptions. Failure to comply with the GMP regulation may result in regulatory action. In addition, FDA may publish further announcements concerning your device in the Federal Register. Please note: this response to your premarket notification submission does not affect any obligation you might have under sections 531 through 542 of the Act for devices under the Electronic Product Radiation Control provisions, or other Federal laws or regulations.

This letter will allow you to begin marketing your device as described in your 510(k) premarket notification. The FDA finding of substantial equivalence of your device to a legally marketed predicate device results in a classification for your device and thus, permits your device to proceed to the market.

If you desire specific advice for your device on our labeling regulation (21 CFR Part 801 and additionally 809.10 for in vitro diagnostic devices), please contact the Office of Compliance at (301) 594-4588. Additionally, for questions on the promotion and advertising of your device, please contact the Office of Compliance at (301) 594-4639. Also, please note the regulation entitled, "Misbranding by reference to premarket notification" (21CFR 807.97). Other general information on your responsibilities under the Act may be obtained from the Division of Small Manufacturers Assistance at its toll-free number (800) 638-2041 or (301) 443-6597 or at its internet address "http://www.fda.gov/cdrh/dsma/dsmamain.html".

Sincerely yours,

Steven Gutman

Steven I. Gutman, M.D., M.B.A.
Director
Division of Clinical Laboratory Devices
Office of Device Evaluation
Center for Devices and Radiological Health

Enclosure

Attachment 2 Indications for Use Statement

510(k) Number (if known)

Device Name Profile®-II ER

Indications for Use

Profile®-II ER is a one-step immunochromatographic test for the rapid qualitative detection of cannabinoids (THC), cocaine, opiates, amphetamines, phencyclidine (PCP), barbiturates, benzodiazepines, methadone and tricyclic antidepressants in human urine. The cutoffs of these drugs are at the following concentrations:

THC	Tetrahydrocannabinol (Cannabinoids)	50 ng/mL
COC	Cocaine (Benzoylecgonine)	300 ng/mL
OPI	Opiates (Codeine/Morphine)	300 ng/mL
AMP	Amphetamine (D-Amphetamine)	1000 ng/mL
PCP	Phencyclidine (Phencyclidine)	25 ng/mL
TCA	Tricyclic Antidepressants (Desipramine)	300 ng/mL
BAR	Barbiturates (Phenobarbital)	200 ng/mL
MTD	Methadone (Methadone)	300 ng/mL
BZO	Benzodiazepines (Nordiazepine)	300 ng/mL

This product is not for over the counter sale.

Profile®-II ER provides only a preliminary analytical test result. A more specific alternate chemical method must be used in order to obtain a confirmed analytical result. Gas chromatography/mass spectrometry (GC/MS) is the preferred confirmatory method for cannabinoids (THC), cocaine, opiates, amphetamines, phencyclidine (PCP), barbiturates, benzodiazepines, and methadone. High Performance Liquid Chromatography (HPLC) is the preferred confirmatory method for tricyclic antidepressants. Clinical consideration and professional judgment should be applied to any drug of abuse test result, particularly when preliminary positive results are obtained.

Jean Cooper

(Division Sign-Off)
Division of Clinical Laboratory Devices

510(k) Number K010138

PLEASE DO NOT WRITE BELOW THIS LINE - CONTINUE ON ANOTHER PAGE IF NEEDED

Concurrence of CDRH, Office of Device Evaluation (ODE)

Prescription Use ✓ OR Over-The-Counter Use_____
(Per 21 CFR 801. 109)